



## CONTACT INFORMATION

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## RESEARCH INTERESTS

- ◇ Computer Vision
- ◇ Machine Learning
- ◇ Artificial Intelligence
- ◇ Database Systems

## EDUCATION

**Amirkabir University of Technology** (Tehran Polytechnic), Tehran, Iran  
B.S., **Computer Engineering** 2011 – 2015 (Expected)  
(Rank 2 among all Iranian Universities)

- Cumulative Grade Average till now for:
  - Total 109 units: **18.7**/20 ( $\approx$  **3.78**/4)
  - Major related courses: **18.66**/20 ( $\approx$  **3.96**/4)
  - Last year courses: **18.96**/20 ( $\approx$  **3.91**/4)
- Undergraduate Project Advisor: **Asst. Prof. Shahram Khadivi**

**Farzanegan Amin High School**, Isfahan, Iran  
Diploma in Physics and Mathematics Discipline

2007 – 2011

- Cumulative Grade Average: **19.82**/20
- Affiliated with  
*the National Organization for the Development of Exceptional Talents (NODET)*

## HONORS AND AWARDS

- + Ranked **3<sup>rd</sup>** among more than 100 undergraduate students in Computer Engineering Department, Amirkabir University of Technology, 2011 – 2014.
- + Awarded honorary **direct admission** to graduate school (M.Sc.) of Computer Engineering Department, **Sharif University of Technology**, without taking the national entrance exam for graduate schools as a reward of high academic records and achievements, 2014.
- + Awarded honorary **direct admission** to graduate school (M.Sc.) of Computer Engineering Department, Amirkabir University of Technology, without taking the national entrance exam for graduate schools as a reward of high academic records and achievements, 2014.
- + Eligible to choose **second major** due to outstanding performance, 2013.
- + Awarded the **Outstanding Student** title by the head of Computer Engineering Department, Amirkabir University of Technology, 2013.
- + In the **top 0.2%** among more than 450,000 participants in the **Nation-wide University Entry Exam** of Iran in Math. & Physics; consequently, recognized as Outstanding Student, 2011.

## PUBLICATIONS

### Notable Coursework & Technical Reports

1. **Ataei, P.** and Mirahmadi, M., “**Static Search Engine Implementation**” – project report for “Data Storage and Retrieval” course, Tehran, Iran, 2014. (*in English*)
2. **Ataei, P.** and Mirahmadi, M., “**Sudoku Generator and Solver using a Generic Evolutionary Algorithm**” – project report for “Artificial Intelligence” course, Tehran, Iran, 2014. (*in Persian*)
3. **Ataei, P.**, “**An Introduction to Attributes and Describing Objects by them**” – a literature review of recent studies, Research Method & Report Writings, Tehran, Iran, 2013. (*in Persian*)
4. **Ataei, P.**, Shirzaei, M., Taheri, P., Alimadadi, Z., Naseri, Sh., and Mirahmadi M., “**Hospital Online Management System**” – project report for “Software Engineering I” course, Tehran, Iran, 2013. (*in Persian*)
5. **Ataei, P.** and Mirahmadi M., “**Cache Algorithms and their Efficiency**” – literature review for “Computer Architecture” course, Tehran, Iran, 2012. (*in Persian*)

TEACHING ASSISTANTSHIPS	◇ <b>Programming Languages</b> , under supervision of Prof. Fallah	Fall 2014	
	Responsibilities included organization of teaching assistants, grading the homework, and holding TA sessions for extra work or Q/A.		
	◇ <b>Principles of Database Design</b> , under supervision of Prof. Khadivi	Fall 2014	
	Responsibilities included preparing and grading the homework and holding TA sessions for problem solving.		
	◇ <b>Computer Architecture</b> , under supervision of Prof. Zarandi	Spring 2014	
	Responsibilities included giving lectures and grading the homework and projects.		
	◇ <b>Advanced Programming</b> , under supervision of Prof. Pourvatan	Spring 2014	
NOTABLE ACADEMIC PROJECTS	Responsibilities included preparing and managing homework, projects, and grading.		
	◇ <b>Data Structures</b> , under supervision of Prof. Dehghan	Fall 2013	
	Responsibilities included preparing the homework and grading the homework and projects.		
	◇ <b>Logic Circuits</b> , under supervision of Prof. Sedighi	Spring 2013	
	Responsibilities included grading homework and tests.		
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	◇ <b>Static Search Engine</b>	Spring 2014	
SKILLS	A document retrieval system using both traditional Tf-idf method and Hierarchical K-means. ( <i>Java</i> )		
	◇ <b>Sudoku Generator and Solver</b>	Spring 2014	
	Devise and implementation of a Generic Evolutionary Algorithm to solve Sudoku tables. ( <i>Java</i> )		
	◇ <b>AUT Forum</b>	Spring 2014	
	Design of a database and implementation of a web application for a forum. ( <i>MySQL and Java</i> )		
	◇ <b>Simple Programming Language</b>	Fall 2013	
	A developed Interpreter using ML language. ( <i>OCaml</i> )		
SPOKEN LANGUAGES	◇ <b>File Finder</b>	Fall 2012	
	A file retrieval application using Inverted-Index Algorithm. ( <i>Java</i> )		
	◇ <b>Ship Path Finder</b>	Spring 2012	
	Part of a game like “Age of Empires” using Dijkstra Algorithm. ( <i>Java</i> )		
	◇ <b>En-Pe Editor</b>	Fall 2011	
	A bilingual text editor supporting left aligned(English) and right aligned(Persian). ( <i>C</i> )		
	◇ <b>Scientific Calculator</b>	Fall 2011	
ONLINE EUDACTION	A calculator with options to draw integral and derivation of a function. ( <i>C</i> )		
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	◇ <b>Programming:</b> Java, C, C++, OCaml(Familiar), Mips(Familiar).		
	◇ <b>Operating Systems:</b> Mac OS, Windows, Linux.		
	◇ <b>Typesetting:</b> L <sup>A</sup> T <sub>E</sub> X, Microsoft Word.		
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	◇ <b>Persian</b> native speaker		
REFERENCES	◇ <b>Arabic</b> familiar		
	◇ <b>English</b>		
	<b>TOEFL iBT 103/120</b>		
	Aug. 23, 2014		
	<i>Reading 27/30, Listening 27/30, Speaking 26/30, Writing 23/30</i>		
	<b>GRE General</b> registered for the November 1, 2014 test.		
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<b>Machine Learning</b> , Andrew Ng. (Stanford University)			
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REFERENCES	Mehdi Dehghan TakhtFooladi (Assoc. Prof.)	<a href="http://ceit.aut.ac.ir/~dehghan/">ceit.aut.ac.ir/~dehghan/</a>	<a href="mailto:dehghan@aut.ac.ir">dehghan@aut.ac.ir</a>
	Hamid Reza Zarandi (Asst. Prof.)	<a href="http://ceit.aut.ac.ir/~h_zarandi/">ceit.aut.ac.ir/~h_zarandi/</a>	<a href="mailto:h_zarandi@aut.ac.ir">h_zarandi@aut.ac.ir</a>
	Shahram Khadivi (Asst. Prof.)	<a href="http://ceit.aut.ac.ir/~khadivi/">ceit.aut.ac.ir/~khadivi/</a>	<a href="mailto:khadivi@aut.ac.ir">khadivi@aut.ac.ir</a>
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Official certificates, documents, and other references are available upon request.			
More information on <a href="http://ceit.aut.ac.ir/~p.ataei">ceit.aut.ac.ir/~p.ataei</a>		Last Update: October 2, 2014	